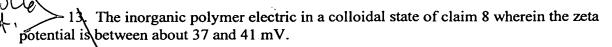


- 1. An apparatus for generating an inorganic polymer electret in a colloidal state comprising.
  - (a) a first tube;

NETIL

- (b) a second tube positioned substantially inside the first tube; and
- (c) flow through the first tube being substantially counter to flow through the second tube.
- 2. The apparatus of claim 1 further comprising at least one magnet attached to the second tube.
- An inorganic polymer electric in a colloidal state with a particle size is between about 1 and about 200 microns.
- 4. The inorganic polymer electric in a colloidal state of claim 3 wherein the particle size is between about 1 and about 150 microns.
- 5. The inorganic polymer electric in a colloidal state of claim 3 wherein the particle size is between about 125 microns.
- 6. The inorganic polymer electric in a colloidal state of claim 3 wherein the particle is size is between about 1 and about 115 microns.
- 7. The inorganic polymer electric in a colloidal state of claim 3 wherein the particle size is between about 1 and about 110 microns.
  - 8. An inorganic polymer electric in a colloidal state with a zeta potential between about 33 and 50 mV.
  - 9. The inorganic polymer electric in a colloidal state of claim 8 wherein the zeta potential is between about 34 and 50 mV.
  - 10. The inorganic polymer electric in a colloidal state of claim 8 wherein the zeta potential is between about 34 and 48 mV.
  - 11. The inorganic polymer electric in a colloidal state of claim 8 wherein the zeta potential is between about 35 and 45 mV.
  - 12. The inorganic polymer electric in a colloidal state of claim 8 wherein the zeta potential is between about 36 and 43 mV.

eafler text /



- 14. The inorganic polymer electric in a colloidal state of claim 8 wherein the zeta potential is between about 37 and 39 mV.
- 15. The inorganic polymer electric in a colloidal state of claim 8 wherein the zeta potential is between about 37 and 38 mV.
- 16. The inorganic polymer electric in a colloidal state of claim 8 wherein the zeta potential is about 37.7 mV
- 17. An inorganic polymer electric in a colloidal state wherein the concentration of the inorganic polymer electric is greater than about 1,000 parts per million.
- 18. The inorganic polymer electric in a colloidal state of claim 17 wherein the concentration of polymer electric is greater than about 2,000 parts per million.
- 19. The inorganic polymer electric in a colloidal state of claim 17 wherein the concentration of polymer electric is greater than about 4,000 parts per million.
- 20. The inorganic polymer electric in a colloidal state of claim 17 wherein the concentration of polymer electric is greater than about 10,000 parts per million.
- 21 The inorganic polymer electric in a colloidal state of claim 17 wherein the concentration of polymer electric is greater than about 50,000 parts per million.
- 22. The inorganic polymer electric in a colloidal state of claim 17 wherein the concentration of polymer electric is greater than about 100,000 parts per million.
- 23. The inorganic polymer electric in a colloidal state of claim 17 wherein the concentration of polymer electric is greater than about 150,000 parts per million.
- 24. The inorganic polymer electric in a colloidal state of claim 17 wherein the concentration of polymer electric is greater than about 200,000 parts per million.

201 E-0325 C